

WHAT IS CLAIMED IS:

1. A vaccine composition for inducing an immune response in a ruminant, said vaccine composition comprising at least one antigen member of the group comprising (i) recombinant MSP1a surface protein antigen of *A. marginale*, (ii) a subunit of recombinant MSP1a surface protein antigen of *A. marginale* and (iii) recombinant MSP1a surface protein antigen or subunits thereof in combination with antigen preparation derived from *A. marginale* infected cultured tick IDE8 cells, wherein said vaccine composition further comprises a pharmaceutically acceptable carrier or diluent.
2. The vaccine according to claim 1 wherein said antigen member is recombinant MSP1a surface protein antigen of *A. marginale*.
3. The vaccine according to claim 1 wherein said antigen member is a subunit of recombinant MSP1a surface protein antigen of *A. marginale*.
4. The vaccine according to claim 1 wherein said antigen member is recombinant MSP1a surface protein antigen or subunits thereof in combination with antigen preparation derived from *A. marginale* infected cultured tick IDE8 cells.
5. A method for inducing an immune response in a ruminant to provide immune protection which reduces the severity of or infection by *A. marginale*, said method comprising administering to said ruminant an effective amount of the vaccine composition of claim 1.

6. The method according to claim 5, wherein said antigen member is recombinant MSP1a surface protein antigen of *A. marginale*.

7. The method according to claim 5 wherein said antigen member is a subunit of recombinant MSP1a surface protein antigen of *A. marginale*.

8. The method according to claim 5 wherein said antigen member is recombinant MSP1a surface protein antigen or subunits thereof in combination with antigen preparation derived from *A. marginale* infected cultured tick IDE8 cells.

[illegible]